

From: [McCarter, Jennifer](#)
To: [Bailey, Treasure](#); [Jacobson, Linda](#); [Churchill, Stephen](#)
Cc: [jill.parisi](#); [Kilty, Quinn V](#); [Bloomberg, Jon H](#); [Bodry, Renee A](#); [Reeves, Molly](#); [Rohr, Matthew](#); [Munoz, Emily](#)
Subject: RE: Comanche Phase 2 drilling update
Date: Friday, December 18, 2020 10:41:56 AM
Attachments: [ATT00001.txt](#)

Treasure, please note correction -

TH-185 is set in the colluvium just on top of the weathered shale (weathered shale starts at about 5 ft in that area)

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From: McCarter, Jennifer

Sent: Friday, December 18, 2020 10:08 AM

To: Bailey, Treasure <Bailey.Treasure@epa.gov>; Jacobson, Linda <Jacobson.Linda@epa.gov>; Churchill, Stephen <Churchill.Stephen@epa.gov>

Cc: jill.parisi <jill.parisi@state.co.us>; Kilty, Quinn V <quinn.v.kilty@xcelenergy.com>; Bloomberg, Jon H <Jon.H.Bloomberg@xcelenergy.com>; Bodry, Renee A <Renee.A.Bodry@xcelenergy.com>; Reeves, Molly <Molly.Reeves@hdrinc.com>; Rohr, Matthew <Matthew.Rohr@hdrinc.com>

Subject: Comanche Phase 2 drilling update

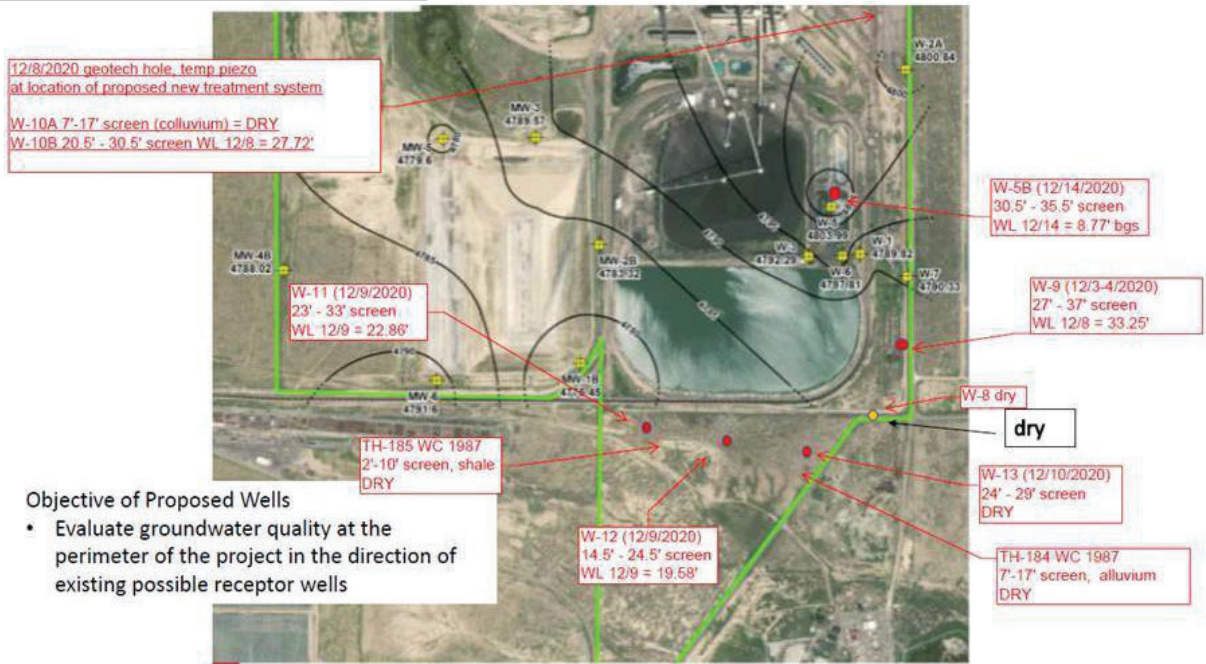
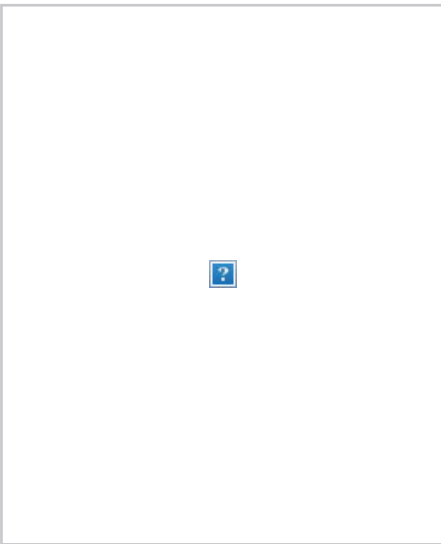
Hello Treasure, Linda, all – following is a summary of the Phase 2 drilling at Comanche Station. All data is preliminary/from field notes, pending completion of development and preparation of well logs. Five new monitoring wells were installed east and south of the bottom ash pond. Geotech hole (W-10) by proposed treatment system area is a temp piezo only. Figure below shows approximate locations (until surveyed), depths and/or screened intervals and the post-installation water level. All wells are screened in weathered shale bedrock. HDR also located two of the 1987 Woodward Clyde borings, both of which are dry.

Water levels as of Wed. 12/16 with development updates as of 12/17:

- W-5B 8.65 ft bgs
- W-9 33.27 ft bgs
 - 12/16 initiated development; purged dry after 19 liters;
 - 12/17 purged dry after another 19 liters; still turbid (>1,000 ntu) but improving)
- W-10A dry
- W-10B 25.41 ft bgs
 - 12/17 purged dry after 6 liters, still very turbid (over 1,000 ntu)
- W-11 20.73 ft bgs
 - 12/17 purged dry after 84 liters, still turbid ~ 1,000 ntu.
- W-12 19.46 ft bgs
 - 12/17 purged dry and recharged completely; purged again for 60 Liters total; turbidity in the few 100's ntu.
- W-13 dry 29.34' bgs

Woodward Clyde borings (1987) field located this week

- TH-184 dry 16.62' bgs (alluvium)
- TH-185 dry 5.91 ft bgs (unweathered shale)



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